

BORDER REV: DATE: March 27, 2007

BY: Ardalan Faghri Division: P068 Highway TrafficGMA Emp

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES INSTALLING EMERGENCY VEHICLE PRE-EMPTION EQUIPMENT FOR THE EASTBOUND MD 108 AND NORTHBOUND HARPERS FARM ROAD APPROACHES. MD 108 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA SIX-PHASE, FULLY ACTUATED MODE WITH EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING FOR EASTBOUND AND WESTBOUND TRAFFIC. THE NORTHBOUND AND SOUTHBOUND APPROACHES ARE SPLIT PHASED.

I. SPECIAL NOTES

THE CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOW:

DISTRICT

MS. ANDREA ABEND
UTILITY ENGINEER
301-624-8115/8116

MR. JOHN CONCANNON
ASSISTANT DISTRICT ENGINEER - TRAFFIC
301-624-8140/8141

MR. JOHN HUCHROWSKI
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
301-624-8200/8201

MS. SUE PALMER
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
301-624-8105/8106

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. MIKE STOCKER
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE FOLLOWING STANDARD PLATES FOR TRAFFIC CONTROL: 104.03-09, 104.03-11, 104.03-13.

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

NONE

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

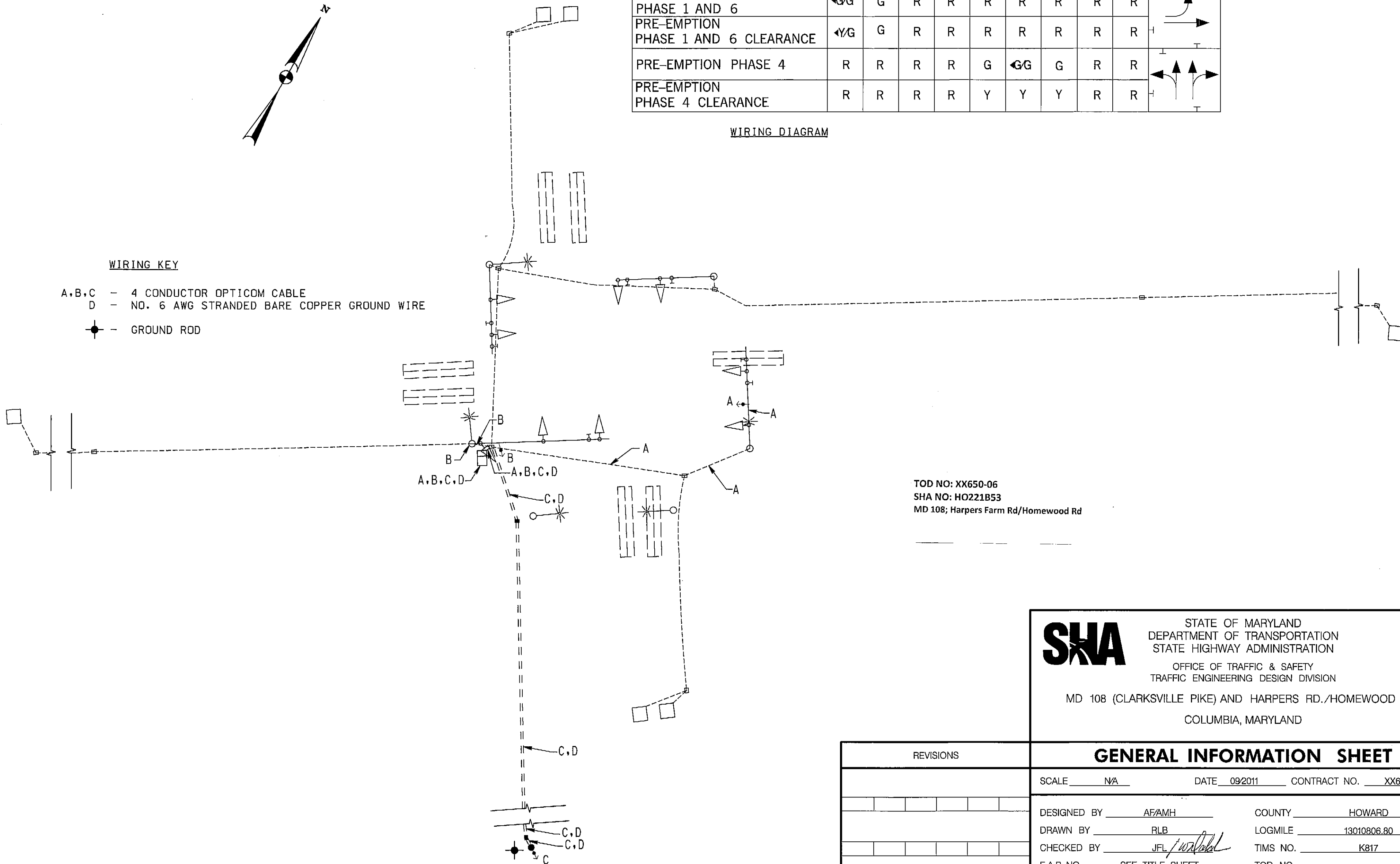
ITEM NO./ CAT CODE	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
2002	2 CY	TEST PIT EXCAVATION
5001	6 EA	REMOVAL OF EXISTING PERMANENT PAVEMENT MARKINGS SYMBOLS
8009	1 EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8023	2 EA	REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8032	800 LF	4 CONDUCTOR OPTICOM CABLE
8038	325 LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8042	380 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8046	3 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8047	1 EA	DISCRIMINATOR MODULE, 4 CHANNEL, NO. 764
8049	3 EA	OPTICOM NO. 721 DETECTOR EYE

C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.



WIRING KEY

A,B,C - 4 CONDUCTOR OPTICOM CABLE
D - NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- GROUND ROD



TOD NO: XX650-06
SHA NO: HO221B53
MD 108; Harpers Farm Rd/Homewood Rd



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 108 (CLARKSVILLE PIKE) AND HARPERS RD./HOMWOOD RD.
COLUMBIA, MARYLAND

GENERAL INFORMATION SHEET

SCALE N/A DATE 09/2011 CONTRACT NO. XX6506185
DESIGNED BY AF/AMH COUNTY HOWARD
DRAWN BY RLB LOGMILE 13010806.80
CHECKED BY JFL TMS NO. K817
F.A.P. NO. SEE TITLE SHEET TOD NO.
TS NO. 2566GI DRAWING **SG-2** OF 2 SHEET NO. 2 OF 2

PHASE CHART

1	2	3	4	5	6	7	8	9
R	R	R	R	R	R	R	R	R
Y	Y	Y	Y	Y	Y	Y	Y	Y
G	G	G	G	G	G	G	G	G

PHASE 1 AND 5	←G-	R	←G-	R	R	R	R	R	R
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6									
PHASE 1 AND 6	←GG	G	R	R	R	R	R	R	R
1 AND 6 CHANGE	←YG	G	R	R	R	R	R	R	R
PHASE 2 AND 5	R	R	←GG	G	R	R	R	R	R
2 AND 5 CHANGE	R	R	←YG	G	R	R	R	R	R
PHASE 2 AND 6	G	G	G	G	R	R	R	R	R
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R
PHASE 3	R	R	R	R	R	R	←GG	G	G
PHASE 3 CHANGE	R	R	R	R	R	R	Y	Y	Y
PHASE 4	R	R	R	R	G	←GG	G	R	R
PHASE 4 CHANGE	R	R	R	R	Y	Y	Y	R	R
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R

PRE-EMPTION

PRE-EMPTION PHASE 1 AND 6	←GG	G	R	R	R	R	R	R	R
PRE-EMPTION PHASE 1 AND 6 CLEARANCE	←YG	G	R	R	R	R	R	R	R
PRE-EMPTION PHASE 4	R	R	R	R	G	←GG	G	R	R
PRE-EMPTION PHASE 4 CLEARANCE	R	R	R	R	Y	Y	Y	R	R

WIRING DIAGRAM

PLOTTED: "03:32 PM on Monday, September 19, 2011"
FILE: M:\2009\01090819.35\drawings\pSG-N001_108.dgn